

Amendments to the Claims:

The listing of claims will replace all prior versions, and listings, of claims in the application

Listings of Claims:

1. (Currently Amended) A dielectric barrier discharge-driven light source comprising:
a first flat panel and second flat panel dielectric barriers which enclose a gas, said first flat panel dielectric barrier substantially ~~coplanar~~ parallel with said second flat panel dielectric barrier and having length and width dimensions substantially greater than a distance between said first and second ~~panels~~ flat panel dielectric barriers;
a first electrode coupled to an outside portion of said first flat panel dielectric barrier and a second electrode coupled to said second flat panel dielectric barrier; and
one or more stems disposed between said first and second flat panel dielectric barriers and coupled to said first and second flat panel dielectric barriers via transfer foil technology.
2. (Previously Canceled).
3. (Currently Amended) The light source of claim 1 where said first and second flat ~~panels~~ panel dielectric barriers have a circular shape.
4. (Original) The light source of claim 1 wherein said stems are comprised of quartz.
5. (Original) The light source of claim 1 wherein said stems are equidistant.

6. (Original) The light source of claim 1 wherein said second electrode is a mesh.

7. (Currently Amended) The light source of claim 1 wherein said first and second flat panel dielectric barriers are comprised of silica.

8. (Previously Canceled).

Claims 9-16 (Previously Cancelled).

17. (New) A dielectric barrier discharge-driven light source comprising:

a first flat panel and second flat panel dielectric barriers which enclose a gas, said first flat panel dielectric barrier substantially parallel with said second flat panel dielectric barrier;

a first electrode positioned on an outside surface of said first flat panel dielectric barrier such that said first electrode is positioned in a plane substantially parallel to said first flat panel dielectric barrier;

a second electrode positioned on an outside surface of said second flat panel dielectric barrier such that said second electrode is positioned in a plane substantially parallel to said second flat panel dielectric barrier; and

one or more support stems disposed between said first and second flat panel dielectric barriers and coupled to said first and second flat panel dielectric barriers.

18. (New) The light source of claim 17, wherein said stems are arranged to resist stresses placed on said first and second flat panel dielectric barriers when a pressure between said first and second flat panel dielectric barriers is other than atmospheric gas pressure.

19. (New) A dielectric barrier discharge-driven light source comprising:
a first flat panel dielectric barrier and a second flat panel dielectric barrier which enclose a gas in a sealed discharge space between said first flat panel dielectric barrier being and said second flat panel dielectric barrier, said first flat panel dielectric barrier being substantially parallel with said second flat panel dielectric barrier;

a first electrode positioned on an outside surface of said first flat panel dielectric barrier and a second electrode positioned on an outside surface of said second flat panel dielectric barrier; and

one or more cylindrical stems disposed to extend between said first and second dielectric barriers and coupled to said first and second dielectric barriers, wherein said one or more cylindrical stems are positioned to maintain a constant, single discharge space for said gas enclosed in said sealed discharge space.